

Meeting Notes		Department of Health <i>SRDC IAQ Workgroup</i> February 15, 2005	
Facilitator:	Tim Hardin	Note Taker(s):	Nancy Bernard
Attendees:	Eric Dickson, CIH, ESD 101; Ken Wilson, CSP, Tacoma Public Schools; Gary Jefferis, (Everett SD) SRDC WAMOA; Claire Olsovsky, Institute for EH; Robert Miksch, IEH; Paul Clark, SRDC WAMOA; Brenda Hood, OSPI; Art Busch, WEA - Midstate; Mike Gawley, WEA; Janice Doyle, SNOW; John Wolpers, EHD; Don Leaf, WSEHA; Steve Main, Spokane Regional HD; Dave DeLong, SRDC, TPCHD; Pete Keithly, Building Commissioning Assn., Maria Mason, Coalition for Environmentally Safe Schools; Thelma Simon, SRDC alt, parent, Denise Frison, Teacher, N. Hale Safety Committee, Jennifer Aspelund, Parent, N. Hale Safety Committee, Dr. Daniel Salzer, Toxic Mold Recovery Center, Dr. Michael Laz, Toxic Mold Recovery Group; Carol Jones, RN, Peninsula SD; June Sine, WSSDA; Jim Kerns, ESD 101, Vern Enns, HBB Eng. Staff: Mark Soltman, Tim Hardin, Nancy Bernard, Maryanne Guichard, Bobbie Berry, Candi Wines		
Absent:	Mimi Walker, WASA Mike Currie, Bainbridge Island SD	Guests:	Wade Duffy, City of Lacey Buildings & Codes.

AGENDA ITEMS	DISCUSSION
Introductions	Mark summarized the work to date and the mandate of the group.
ACTION	None.
Grandfathering	<p>Tim introduced Wade Duffy to respond to questions from the first meeting regarding grandfathering. Wade also introduced the IEBC, International Existing Buildings Code, which covers many of the aspects of discussion during the first meeting</p> <p>The workgroup discussed:</p> <ul style="list-style-type: none"> • General description of what constitutes grandfathering <ul style="list-style-type: none"> ○ Projects involving greater than 50% of the building being upgraded/modified require a complete upgrade ○ Any building deemed substandard can be made to upgrade to current code • The benefits of health standards vs. performance standards • The important aspects of developing performance standards
ACTION	None. Information sharing
Temporary Occupancy	<p>Wade Duffy responded to questions regarding Temporary Occupancy.</p> <p>The workgroup discussed:</p> <ul style="list-style-type: none"> • When a building meets all of the life safety codes it can be occupied • The most important elements of T/O such as: <ul style="list-style-type: none"> ○ T/O is decided on a case by case basis ○ T/O's are conditional with limits and timelines provided for the remaining work completion ○ The role played by the local building jurisdiction in T/O • Concerns were expressed about the lack of follow-up and enforcement of T/O conditions in some cases
ACTION	DOH staff will develop for next meeting one or more proposals on this topic for consideration by the workgroup to forward to the SRDC as Recommendations.

AGENDA ITEMS	DISCUSSION
Ventilation	<p>Tim introduced this topic, touching on the relationships between ventilation design and construction standards, and system performance standards. Existing SBOH rule minimally addresses the topic. Options do exist for evaluating the performance of existing ventilation systems.</p> <p>The workgroup discussed:</p> <ul style="list-style-type: none"> • That monitoring CO₂ levels may provide an easier way to monitor air turnover in school facilities <ul style="list-style-type: none"> ◦ The difficulty of providing a action threshold number that covers all applications • Existing industry standards, such as the ASHRAE 62-2004, provide current standard of practice for design, construction and performance of ventilation systems • School facilities present some unique settings for the design of ventilation systems • Statewide, many existing school facilities do not use active, mechanical ventilation systems.
ACTION	DOH staff will develop for next meeting one or more proposals on this topic for consideration by the workgroup to forward to the SRDC as Recommendations.
Mold	<p>Tim introduced this topic and invited discussion.</p> <p>The workgroup discussed:</p> <ul style="list-style-type: none"> • The significance of mold in the context of health and safety in school facilities for students and staff, particularly for sensitive individuals. • The need for general information regarding mold to schools should include: <ul style="list-style-type: none"> ◦ Elements for notification and posting of mold issues in schools ◦ Issues surrounding testing for molds ◦ There should be a format for follow up of mold issues • How many schools aggressively address mold issues by diligently surveying for water intrusion and moisture problems and immediately correct such problems. • The need for written guidance for mold remediation • What guidelines are available and useful • Questions surrounding how best to address mold that may be present but not yet visible. <ul style="list-style-type: none"> ◦ What sampling methodologies, if any, are effective? • The resources available to resolve mold issues including: <ul style="list-style-type: none"> ◦ What other districts are doing to respond to mold issues • There was discussion about mold discovery and the 504 accommodation process • Several papers were submitted for the good of the group <ul style="list-style-type: none"> ◦ “Adverse Health Effects of Indoor Mold and Mycotoxin Exposure” ◦ “Toxigenic Mold Exposures in Schools: Critical components for WAC codes and guidelines” ◦ The other paper submitted can be found in the Clinicians Guide to Mold from the University of Connecticut
ACTION	DOH staff will develop for next meeting one or more proposals on this topic for consideration by the workgroup to forward to the SRDC as Recommendations.

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Temperature and Humidity	<p>Tim introduced this topic and shared that two documents, the International Building Code and the Design Tools for Schools, provide some direction regarding temperature and humidity.</p> <p>The workgroup discussed:</p> <ul style="list-style-type: none"> • Temperature comfort range and upper bounds for temperature • Humidity controls and complicating factors • Existing industry standards, such as the ASHRAE 55-2004, provide current standard of practice • Schools are unique environments that require unique solutions
ACTION	DOH staff will develop for next meeting one or more proposals on this topic for consideration by the workgroup to forward to the SRDC as Recommendations.
Commissioning & Constructability Review	At various times throughout the day the aspects of building commissioning and constructability review were mentioned and briefly discussed by the group. There was general support for commissioning of school facilities as a means to help assure that the ventilation and mechanical systems function as intended. Constructability review was also supported as a means to assure that school facilities are properly designed and are compatible with the site and the climate of the region.
ACTION	DOH staff will develop for next meeting one or more proposals on this topic for consideration by the workgroup to forward to the SRDC as Recommendations.
Minimum Maintenance	<p>Tim introduced the topic of minimum maintenance and possible approaches to address needs surrounding this topic.</p> <p>The workgroup discussed:</p> <ul style="list-style-type: none"> • The L&I non-industrial workplace standard (a proposed, but not adopted, administrative code considered by the Washington State Department of Labor and Industries). • Air filter changes are an important aspect of maintenance, as are other routine maintenance tasks relating to air handling systems • Methods, materials and equipment used in the cleaning and maintaining school facilities • Minimum maintenance standards for health and safety • The fiscal impact of increased regulation • The aspect of special needs for maintaining unique areas within school facilities, such as health rooms
ACTION	DOH staff will develop for next meeting one or more proposals on this topic for consideration by the workgroup to forward to the SRDC as Recommendations.
	Meeting adjourned at 3:00 PM Next meeting March 8th 2005